

U.S. Appl. No. 09/462,625

Claims as presented in the Amendment and Reply Under 37 C.F.R. § 1.116, filed June 4, 2003

Claims 1-52 (Previously cancelled)

¹ 53. (Currently amended) An isolated nucleic acid molecule comprising a polynucleotide which encodes a polypeptide having a first amino acid sequence at least 95% identical to a reference amino acid sequence selected from the group consisting of (a) amino acids 1 to 182 of SEQ ID NO:2; and (b) amino acids 20 to 182 of SEQ ID NO:2, wherein said nucleic acid molecule encodes a polypeptide which [generates antibody that specifically binds a protein consisting of amino acids 1 to 182 of SEQ ID NO:2,] mediates apoptosis or inhibits tumor growth.

² 54. (Currently amended) The nucleic acid molecule of claim ¹53, wherein said reference amino acid sequence is (a).

³ 55. (Currently amended) The nucleic acid molecule of claim ¹53, wherein said reference amino acid sequence is (b).

⁴ 56. (Currently amended) The nucleic acid molecule of claim ¹53, which encodes a polypeptide which generates antibody that specifically binds a protein consisting of amino acids 1 to 182 of SEQ ID NO:2.

⁵ 57. (Currently amended) The nucleic acid molecule of claim ¹53, which encodes a polypeptide which mediates apoptosis.

⁶ 58. (Currently amended) The nucleic acid molecule of claim ¹53, which encodes a polypeptide which inhibits tumor growth.

⁷ 59. (Cancelled) The nucleic acid of claim ¹53, wherein said nucleic acid molecule encodes a murine protein.

⁹ 60. (Currently amended) A vector comprising the nucleic acid molecule of claim ¹53.

⁷ 61. (Currently amended) A transfected host cell comprising the nucleic acid molecule of claim ¹53.

¹⁰ 62. (Previously added) The vector of claim ⁹60, wherein said vector is an expression vector.

⁸ 63. (Currently amended) A method of producing the polypeptide encoded by the nucleic acid molecule of claim ¹53, said method comprising:

- (a) culturing a host cell comprising said nucleic acid molecule under conditions such that said polypeptide is expressed; and
- (b) isolating said polypeptide.

U.S. Appl. No. 09/462,625

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¹¹ 64. (Currently amended) An isolated recombinant nucleic acid [comprising] molecule consisting essentially of a polynucleotide encoding amino acids 145 to 160 of SEQ ID NO:2.

¹² 65. (Currently amended) An isolated polypeptide comprising a first amino acid sequence at least 95% identical to a reference amino acid sequence consisting of (a) amino acids 1 to 182 of SEQ ID NO:2; and (b) amino acids 20 to 182 of SEQ ID NO:2, wherein said polypeptide [generates antibody that specifically binds a protein consisting of amino acids 1 to 182 of SEQ ID NO:2,] mediates apoptosis or inhibits tumor growth.

¹³ 66. (Previously added) The polypeptide of claim ¹² 65, wherein said reference amino acid sequence is (a).

¹⁴ 67. (Previously added) The polypeptide of claim ¹² 65, wherein said first amino acid sequence is amino acids 1 to 182 of SEQ ID NO:2.

¹⁸ 68. (Previously added) The polypeptide of claim ¹² 65, wherein said reference amino acid sequence is (b).

¹⁹ 69. (Previously added) The polypeptide of claim ¹⁸ 68, wherein said first amino acid sequence is amino acids 20 to 182 of SEQ ID NO:2.

¹⁵ 70. (Previously added) The polypeptide of claim ¹² 65, wherein said polypeptide generates antibody that specifically binds a protein consisting of amino acids 1 to 182 of SEQ ID NO:2.

¹⁶ 71. (Previously added) The polypeptide of claim ¹² 65, wherein said polypeptide mediates apoptosis.

¹⁷ 72. (Previously added) The polypeptide of claim ¹² 65, wherein said polypeptide inhibits tumor growth.

²⁰ 73. (Currently amended) An isolated nucleic acid molecule comprising a polynucleotide which encodes a polypeptide having a first amino acid sequence at least 95% identical to amino acids 1 to 191 of SEQ ID NO:4, wherein said nucleic acid molecule encodes a polypeptide which [generates antibody that specifically binds a protein consisting of amino acids 1 to 191 of SEQ ID NO:4,] mediates apoptosis or inhibits tumor growth.

²¹ 74. (Currently amended) The nucleic acid molecule of claim ²⁶ 73, comprising a polynucleotide which encodes amino acids 1 to 191 of SEQ ID NO:4.

U.S. Appl. No. 09/462,625

Claims as presented in the Amendment and Reply Under 37 C.F.R. § 1.116, filed June 4, 2003

²²75. (Currently amended) The nucleic acid molecule of claim ²⁰73, which encodes a polypeptide which generates antibody that specifically binds a protein consisting of amino acids 1 to 191 of SEQ ID NO:4.

²³76. (Currently amended) The nucleic acid molecule of claim ²⁰73, which encodes a polypeptide which mediates apoptosis.

²⁴77. (Currently amended) The nucleic acid molecule of claim ²⁰73, which encodes a polypeptide which inhibits tumor growth.

²⁰78. (Cancelled) The nucleic acid of claim ²⁰73, wherein said nucleic acid molecule encodes a human protein.

²⁷79. (Currently amended) A vector comprising the nucleic acid molecule of claim ²⁰73.

²⁰80. (Currently amended) A transfected host cell comprising the nucleic acid molecule of claim ²⁰73.

²⁸81. (Previously added) The vector of claim ²⁷79, wherein said vector is an expression vector.

²⁶82. (Currently amended) A method of producing the polypeptide encoded by the nucleic acid molecule of claim ²⁰73, said method comprising:

- (a) culturing a host cell comprising said nucleic acid molecule under conditions such that said polypeptide is expressed; and
- (b) isolating said polypeptide.

²⁹83. (Currently amended) An isolated nucleic acid molecule comprising a polynucleotide sequence at least 95% identical to nucleotides 68 to 640 of SEQ ID NO:3, wherein said nucleic acid molecule encodes a polypeptide which [generates antibody that specifically binds a protein consisting of amino acids 1 to 191 of SEQ ID NO:4,] mediates apoptosis or inhibits tumor growth.

³⁰84. (Currently amended) The nucleic acid molecule of claim ²⁹83, comprising the polynucleotide sequence of nucleotides 68 to 640 of SEQ ID NO:3.

³¹85. (Currently amended) The nucleic acid molecule of claim ²⁹83, which encodes a polypeptide which generates antibody that specifically binds a protein consisting of amino acids 1 to 191 of SEQ ID NO:4.

³²86. (Currently amended) The nucleic acid molecule of claim ²⁹83, which encodes a polypeptide which mediates apoptosis.

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²⁹
33 ~~87~~. (Currently amended) The nucleic acid molecule of claim ~~83~~, which encodes a polypeptide which inhibits tumor growth.

³⁴
34 ~~88~~. (Currently amended) An isolated polypeptide comprising an amino acid sequence at least 95% identical to amino acids 1 to 191 of SEQ ID NO:4, wherein said polypeptide [generates

antibody that specifically binds a protein consisting of amino acids 1 to 191 of SEQ ID NO:4,] mediates apoptosis or inhibits tumor growth.

³⁴
35 ~~89~~. (Previously added) The polypeptide of claim ~~88~~, which generates antibody that specifically binds a protein consisting of amino acids 1 to 191 of SEQ ID NO:4.

³⁴
36 ~~90~~. (Previously added) The polypeptide of claim ~~88~~, which mediates apoptosis.

³⁴
37 ~~91~~. (Previously added) The isolated polypeptide of claim ~~88~~, which inhibits tumor growth.

³⁴
38 ~~92~~. (Previously added) The polypeptide of claim ~~88~~, comprising amino acids 1 to 191 of SEQ ID NO:4.

³⁴
39 ~~93~~. (Currently amended) An isolated recombinant polypeptide [comprising] consisting essentially of amino acids 145 to 160 of SEQ ID NO:2.

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